

12-30-1996

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMB No. 0665-0011 (exp. 4-98)

ab settings

12/06/96

100329557

To the Honorable Commissioner of Patents at:

Please record the attached original documents or copy thereof.

PTO
09/621649
Jc784 U.S.

07/28/00

1. Name of conveying party(ies):

Gurtej Sandhu, Anand Srinivasan, and
Ravi IyerAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: _____

Street Address: 8000 South Federal WayCity: Boise State: Idaho ZIP: 83707-0006Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name

To change state of incorporation

☒ Other of Assignee from Idaho to DelawareExecution Date: July 5, 1996

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Bradley K. DeSandro, Esq.

Name: WORKMAN, NYDEGGER & SEELEYInternal Address: 1000 Eagle Gate TowerStreet Address: 60 East South TempleCity: Salt Lake City State: Utah ZIP: 841316. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

the original document

Bradley K. DeSandro, Esq.

Name of Person Signing



Signature

Dec. 3, 1996

Date

8

Total number of pages including cover sheet, attachments, and document

08/677514

WHEN RECORDED RETURN TO:

PATENT APPLICATION

Docket No: 11675.76

Workman, Nydegger & Seeley
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

ASSIGNMENT

We, Gurtej Sandhu, 2964 East Parkriver Drive, Boise, Idaho, 83706, Anand Srinivasan, 670 South Clearwater, #201, Boise, Idaho, 83712, and Ravi Iyer, 5600 South Fuchsia, Boise, Idaho, 83705, have invented a method and apparatus entitled INTERLEVEL DIELECTRIC STRUCTURE AND METHODS FOR FORMING THE SAME, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 11675.76 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah, 84111, and filed in the United States Patent and Trademark Office as Serial No. _____ on _____. (I hereby authorize the attorneys of Workman, Nydegger & Seeley to insert said serial number and filing date when known.) The Assignee, Micron Technology, Inc., a corporation of the State of Idaho, having a principal place of business at 8000 South Federal Way, Boise, Idaho, 83707-0006, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to us by the Assignee, the receipt and

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and Foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behalf of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

This assignment and agreement shall be binding upon our heirs and legal representatives.

DATED this 5th day of July, 1996.

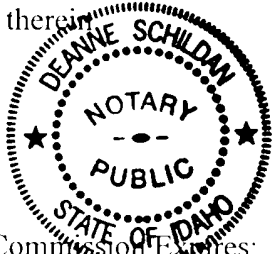
Gurtej Singh Sandhu
Gurtej Sandhu

STATE OF IDAHO)

: ss.

COUNTY OF Ada)

On July 5, 1996, before me personally appeared GURTEJ SANDHU, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof, and that he executed the same as his free act and deed and for the purposes set forth therein.



Deanne Scheldor
NOTARY PUBLIC
Residing at Meridian Idaho

My Commission Expires:

6/27/2002

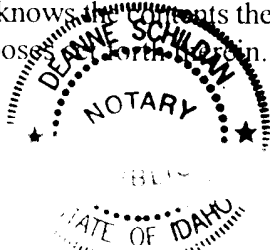
Anand Srinivasan
Anand Srinivasan

STATE OF IDAHO)

: ss.

COUNTY OF Idaho)

On July 5, 1996, before me personally appeared ANAND SRINIVASAN, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof, and that he executed the same as his free act and deed and for the purposes set forth therein.



Deanne Scheldor

My Commission Expires:

6/27/2002

Ravi Iyer

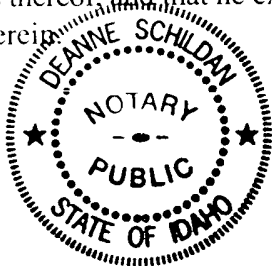
Ravi Iyer

STATE OF IDAHO)

: ss.

COUNTY OF Idaho)

On July 5, 1996, before me personally appeared RAVI IYER known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that he has read the same and knows the contents thereof, and that he executed the same as his free act and deed and for the purposes set forth therein.



Deanne Schildan

NOTARY PUBLIC

Residing at Meridian Idaho

My Commission Expires:

6/27/2002

JNG:csn:mkk

G:\DATA\WPDOCS\CSMJNG\MICRON\1167576.ASN



12/06/96

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Gurtej S. Sandhu, et al.

Serial No.: 08/677,514

Filed: July 10, 1996

For: INTERLEVEL DIELECTRIC STRUCTURE AND
METHODS FOR FORMING THE SAME

)

)

)

)

)

) Art Unit

) 1104

)

)

)

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: United States Patent and Trademark Office, Assignment Division, Box Assignments, North Tower Building, Suite 10C35, Washington, D.C. 20231, on December 3rd, 1996.

BRADLEY K. DeSANDRO

Attorney for Applicant

Registration No. 34,521

BKD:jkw

Transmitted:

Revised Recordation Form Cover Sheet (1 page)

Notice of Recordation of Assignment Document (1 page)

Prior Recordation Form Cover Sheet (1 page)

Assignment (3 pages)

Check No. 094641 in the amount of \$40.00

Postcard

71480 U.S. PT



12/06/96



UNITED STATES DEPARTMENT OF COMMERCE

Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

NOVEMBER 06, 1996

PTAS

WORKMAN, NYDEGGER & SEELEY
BRADLEY K. DESANDRO, ESQ.
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT 84111



100264424A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/10/1996

REEL/FRAME: 8109/0517

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SANDHU, GURTEJ

DOC DATE: 07/05/1996

ASSIGNOR:

SRINIVASAN, ANAND

DOC DATE: 07/05/1996

ASSIGNOR:

IYER, RAVI

DOC DATE: 07/05/1996

ASSIGNEE:

MICRON TECHNOLOGY, INC.
8000 SOUTH FEDERAL WAY
BOISE, IDAHO 83707-0006

SERIAL NUMBER: 08677514

FILING DATE: 07/10/1996

PATENT NUMBER:

ISSUE DATE:

8109/0517 PAGE 2

JACQUELINE MOORE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D C 20231

FEBRUARY 27, 1997

PTAS

WORKMAN, NYDEGGER & SEELEY
BRADLEY K. DESANDRO, ESQ.
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT [REDACTED]



100329557A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/06/1996

REEL/FRAME: 8278/0650
NUMBER OF PAGES: 6

BRIEF: TO CHANGE STATE OF INCORPORATION OF ASSIGNEE FROM IDAHO TO DELAWARE

ASSIGNOR:
SANDHU, GURTEJ

DOC DATE: 07/05/1996

ASSIGNOR:
SRINIVASAN, ANAND

DOC DATE: 07/05/1996

ASSIGNOR:
IYER, RAVI

DOC DATE: 07/05/1996

ASSIGNEE:
MICRON TECHNOLOGY, INC.
8000 SOUTH FEDERAL WAY
BOISE, IDAHO 83707-0006

SERIAL NUMBER: 08677514
PATENT NUMBER:

FILING DATE: 07/10/1996
ISSUE DATE:

8278/0650 PAGE 2

KEITH GOODE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Gurtej Sandhu, a citizen of the United Kingdom, Anand Srinivasan, a citizen of India, and Ravi Iyer, a citizen of India, declare: that we are citizens as stated above; that our residences and post office addresses are 2964 East Parkriver Drive, Boise, Idaho, 83706, 670 South Clearwater, #201, Boise, Idaho, 83712, and 5600 South Fuchsia, Boise, Idaho, 83705, respectively; that we verily believe we are the original, first, and joint inventors of the subject matter of the invention or discovery entitled INTERLEVEL DIELECTRIC STRUCTURE AND METHODS FOR FORMING THE SAME for which a patent is sought and which is described and claimed in the specification attached hereto; that we have reviewed and understand the contents of the above-identified specification, including the claims referred to, and that we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any

We hereby appoint as our attorneys and/or patent agents: H. ROSS WORKMAN, Registration No. 25,230; RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; KENT S. BURNINGHAM, Registration No. 30,453; TODD E. ZENGER, Registration No. 33,610; JONATHAN W. RICHARDS, Registration No. 29,843; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; GREGORY M. TAYLOR, Registration No. 34,263; KEVIN B. LAURENCE, Registration No. 38,219; JOHN N. GREAVES, Registration No. P-40,362; BRIAN C. KUNZLER, Registration No. 38,527; JEFFREY L. RANCK, Registration No. 38,590; LENA I. VINITSKAYA, Registration No. 39,448; LIA M. PAPPAS, Registration No. 34,095; and MICHAEL L. LYNCH, Registration No. 30,871, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

BRADLEY K. DeSANDRO
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at Boise, Idaho, this 5th day of July, 1996.

Inventor:

Gurtej Sandhu
Gurtej Sandhu
2964 East Parkriver Drive
Boise, ID 83706

Signed at BOISE, Idaho, this 5th day of JULY, 1996.

Inventor:

Anand Srinivasan
Anand Srinivasan
670 South Clearwater, #201
Boise, ID 83712

Signed at BOISE, Idaho, this 5th day of JULY, 1996.

Inventor:

Ravi Iyer
Ravi Iyer
5600 South Fuchsia
Boise, ID 83705